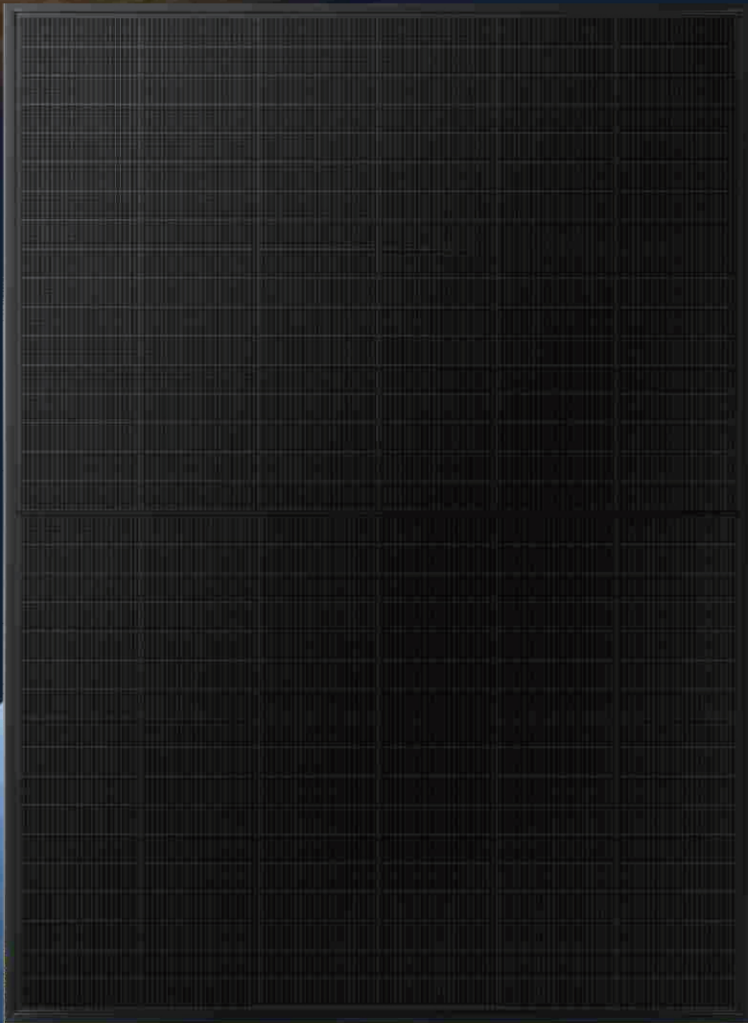


G12-0BB Venus Pro Module

530-565W

Single-side Dual-glass HJT Module

1762X1303X30(mm)2.3m²



24.61%



High Efficiency Cell Technology
Bifacial microcrystalline boost module power.



Ultra High Power Generation
Excellent low light response, low temperature coefficient, low degradation.



Installation Preference
Effectively increasing power generation, reducing system BOS costs, and lowering LCOE



15-year process
Warranty

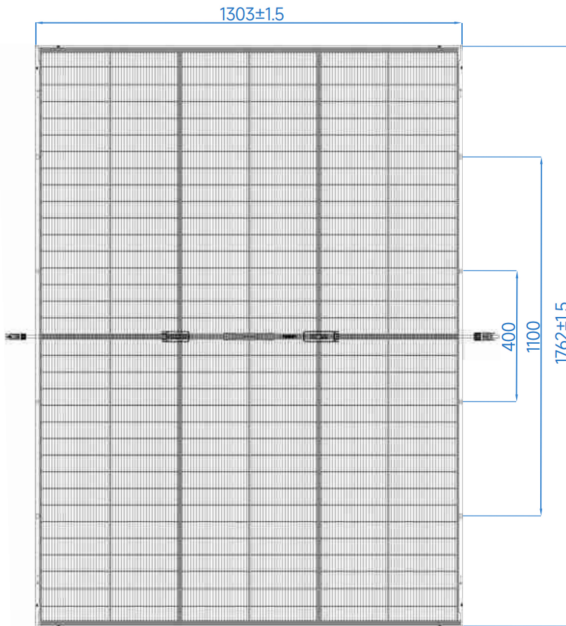


30-year power
linearity warranty



· N-type 210mm solar cell · 0BB cell design · Fluorine-free products · Carbon footprint (383.163g CO₂e/W)

Module size(mm)



Electrical Characteristics(STC*)

Maximum Power (Pmax/W)	530	535	540	545	550	555	560	565
Voltage at Maximum Power (Vmp/V)	33.20	33.40	33.58	33.78	33.98	34.19	34.41	34.61
Current at Maximum Power (Imp/A)	15.98	16.04	16.09	16.15	16.20	16.24	16.28	16.33
Open-Circuit Voltage (Voc/V)	38.13	38.25	38.38	38.50	38.60	38.72	38.84	38.96
Short-Circuit Current (Isc/A)	16.91	16.96	17.00	17.05	17.09	17.13	17.16	17.20
Module Efficiency (η/%)	23.08	23.30	23.52	23.73	23.96	24.17	24.39	24.61

* STC: Irradiance 1000W/m², 25°C, AM1.5G, Measurement tolerance ±3%.

Temperature Coefficient

Temperature Coefficient of Pmax (%/°C)	-0.24
Temperature Coefficient of Voc (%/°C)	-0.22
Temperature Coefficient of Isc (%/°C)	+0.047
Nominal Operational Temperature (°C)	43±2
Operational Temperature (°C)	-40~+85

Operating Parameters

Maximum System Voltage (V)	1500V DC
Back wind load (Pa)	2400
Frontal snow load (Pa)	5400
Power Output Tolerance (W)	0~+5
Maximum Series Fuse Rating (A)	35

Mechanical Parameters

Type and Size (mm)	HJT Solar cell & 210x52.5
No. of cells (pcs)	102(12x17)
Dimension (mm)	1762x1303x30
Glass (mm)	2.0mm+1.6mm
Output Cable (mm)	4mm ² , 500mm in length, length can be customized /UV resistant
Weight (kg)	26
No. of Diodes (u.)	3
Frame	Aluminum alloy/composite material frame

Packaging information

	Flat bed truck	Flat bed truck	Container
Size	13 m	17.5 m	40HC
Pallet	24	28	18+9
Pcs/pallet	36	36	36+17
Sum Pcs	864	1008	648+153

Security Level & Warranty

Safety class	Class II
Product Warranty	15-year product quality assurance
Performance Warranty	30-year power output linear warranty

Less than 1% degradation in the 1st year, the annual degradation from the 2nd year is no more than 0.32%, and the power is no less than 89.75% until the 30th year.

